

CORRES. CONTROL
OUTGOING LTR NO.

93 RF 5206

EG&G ROCKY FLATS

EG&G ROCKY FLATS, INC.

ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 966-7000

April 27, 1993

93-RF-5206

R. J. Schassburger
Acting Director
Environmental Restoration Division
DOE, RFO

Attn: S. R. Grace

TRANSMITTAL OF THE COMMENT RESOLUTION DOCUMENT FOR THE OPERABLE UNIT NO. 2
MODELING TECHNICAL MEMORANDUM - WSB-243-93

Please find enclosed three (3) copies of the Comment Resolution Document, Modeling Technical Memorandum (TM 6), for the 903 Pad, Mound, and East Trenches Areas, Operable Unit No. 2 (OU 2). EG&G Rocky Flats, Inc. (EG&G) will transmit the two (2) copies each to the Environmental Protection Agency (EPA) and the Colorado Department of Health (CDH) upon receipt of a transmittal letter from the Department of Energy, Rocky Flats Office (DOE/RFO).

To expedite the numerical modeling results for incorporation into the Human Health Risk Assessment at OU 2, a simplified ground water flow model was constructed. All assumptions made to simplify the model were conservatively chosen. For example, the Upper Hydrostratigraphic Unit at OU 2 consists of the Rocky Flats Alluvium and the uppermost Arapaho sandstone unit. For the flow model, these two units are combined into one flow unit. This assumption is reasonable because the two units are in hydraulic connection and demonstrate similar hydraulic properties.

Also, a composite water table surface (both the alluvium and the No. 1 sandstone) was generated to represent high water conditions occurring during May 1992. The numerical model was then calibrated to these May 1992 steady state water levels. This composite water table surface preserves the actual flow directions and hydraulic gradient observed in the alluvium. The elevations used in the model for the bottom of the composite unit are consistent with the top of bedrock where the sandstone is not present, or the base of the No. 1 sandstone where it is present. Prescribed hydraulic head boundaries are used to simulate seep flux into and out of the model.

ADMIN RECORD

REVIEWED FOR CLASSIFICATION/UCN	
BY	G. T. Ostlick 8-10
DATE	5-19-93

DIST.	LTR	ENC
BENEDETTI, R.L.		
BENJAMIN, A.		
BERMAN, H.S.		
BRANCH, D.B.		
CARNIVAL, G.J.		
COPP, R.D.		
DAVIS, J.G.		
FEHRERA, D.W.		
HANNI, B.J.		
HARMAN, L. K.		
HEALY, T.J.		
HEDAHL, T.		
HILBIG, J.G.		
KIRBY, W.A.		
KUESTER, A.W.		
LEE, E.M.		
MANN, H.P.	✓	
MARX, G.E.		
MCDONALD, M.M.		
McKENNA, F.G.		
MONTROSE, J.K.		
MORGAN, R.V.		
POTTER, G.L.		
PIZZUTO, V.M.		
RILEY, J.H.		
SANDLIN, N.B.		
SHEPLER, R.L.		
STEWART, D.L.		
SULLIVAN, M.T.		
SWANSON, E.R.		
WILKINSON, R.B.	✓	
WILLIAMS, S. (ORC)		
WILSON, J. M.		
ZANE, J. O.		
Busby, W.	✓	
Lake, D.	✓	
Dille, E.	✓	
Primrose, A.	✓	
CORRES CONTROL	x	x
ADMIN RECORD	✓	✓
TRAFFIC		

CLASSIFICATION:

UCNI	
UNCLASSIFIED	
CONFIDENTIAL	
SECRET	

AUTHORIZED CLASSIFIER

SIGNATURE
DOCUMENT CLASSIFICATION

REVIEW WAIVER PER
CLASSIFICATION OFFICE

IN REPLY TO RFP CC NO:

N/A

ACTION ITEM STATUS

☐ OPEN ☐ CLOSED

☐ PARTIAL

LTR APPROVALS

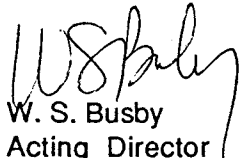
WSB = [Signature]

ORIG & TYPIST INITIALS

EAD dgl

R. J. Schassburger
April 27, 1993
93-RF-5206
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Please contact Annette L. Primrose of my staff with any questions regarding this matter, at extension 8618.



W. S. Busby
Acting Director
ERM/Remediation Project Management
EG&G Rocky Flats, Inc.

EAD:dql

Orig. and 1 cc - R. J. Schassburger

Enclosure:
As Stated